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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/527,924	03/17/2000	Nozomi Miura	32429	3861	•
116	7590 07/09/2004		EXAMINER -		
PEARNE & GORDON LLP			VUONG, QUOCHIEN B		· /
1801 EAST 9TH STREET			ART UNIT	PAPER NUMBER	v
SUITE 1200			ARTONII	PAPER NUMBER	j
CLEVELAN	D, OH 44114-3108		2685	11))

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)				
Office Action Summary		09/527,924	MIURA, NOZOMI				
		Examiner	Art Unit				
	The MAN INO DATE of this communication and	Quochien B Vuong	2685				
Period for	- The MAILING DATE of this communication app r Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1)⊠ I	Responsive to communication(s) filed on <u>09 Ju</u>	<u>ne 2004</u> .					
2a)⊠ ¯	This action is FINAL. 2b) This action is non-final.						
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(closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition	on of Claims						
5)⊠ (6)⊠ (7)⊠ (Claim(s) 1-17 is/are pending in the application. 4a) Of the above claim(s) 2,4-7 and 11-14 is/are withdrawn from consideration. Claim(s) 16 and 17 is/are allowed. Claim(s) 1,8,9 and 15 is/are rejected. Claim(s) 3 and 10 is/are objected to. Claim(s) are subject to restriction and/or election requirement.						
Application	on Papers						
9) The specification is objected to by the Examiner.							
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
,	,	animer. Note the attached Office	Action of format 10-102.				
•	nder 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
Attachment(s)						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date							
3) Inform	of Draftsperson's Patent Drawing Review (PTO-948) ation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) No(s)/Mail Date	— ' ' '	atent Application (PTO-152)				

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DETAILED ACTION

This action in response to Applicant's response filed on 06/09/2004. Applicant's arguments are persuasive, therefore, the previous Final rejection has been withdrawn. Claims 1, 3, 8, 9, 10, and 15-17 are now pending in the present application. **This action is made final**.

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1, 8, 9,15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gottfried et al. (US 5,613,230) in view of Furukawa et al. (US 5,835,846).

Regarding claim 1, Gottfried et al. (figure 1) disclose an automatic gain control circuit comprising: a gain variable amplifier (item 14) which controls an amplitude of a receiving signal based on a control signal (column 3, lines 11-14); control signal generating means (items 40 and 22) for level-detecting the receiving signal and then generating a feedback signal as the control signal for the gain variable amplifier (column 3, line 55- column 4, line 5); and controlling means for deciding at least one of a generation timing of the control signal and a generation period of the control signal in response to a predetermined physical quantity, and controlling the control signal

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generating means (column 5, lines 23-31). Gottfried et al. fail to disclose averaging the detected receiving signal level for a predetermined time. However, Furukawa et al. (figures 4-5) disclose a receiving signal level is averaged for a predetermined time (column 9, lines 13-23, 36-55). Therefore, it would have been obvious for one having ordinary skill in the art at the time the invention was made to adapt the teaching of Furukawa et al. to Gottfried et al. for reducing the measuring error of the received signal level.

Regarding claim 8, Gottfried et al. (figure 1) disclose a receiver device comprising: an automatic gain control circuit including: a gain variable amplifier (item 14) which controls an amplitude of a receiving signal based on a control signal; control signal generating means (items 40 and 22) for level-detecting the receiving signal and then generating a feedback signal as the control signal for the gain variable amplifier (column 3, line 55- column 4, line 5); and controlling means for deciding at least one of a generation timing of the control signal and a generation period of the control signal in response to a predetermined physical quantity, and controlling the control signal generating means (column 5, lines 23-31). Gottfried et al. fail to disclose averaging the detected receiving signal level for a predetermined time. However, in the same field of endeavor. Furukawa et al. (figures 4-5) disclose a receiving signal level is averaged for a predetermined time (column 9, lines 13-23, 36-55). Therefore, it would have been obvious for one having ordinary skill in the art at the time the invention was made to adapt the teaching of Furukawa et al. to Gottfried et al. for reducing the measuring error of the received signal level.

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Regarding claim 9, Gottfried et al. (figure 1) disclose an automatic gain control method in a receiver device including a gain variable amplifier (item 14) which controls an amplitude of a receiving signal based on a control signal, the method comprising: a control signal generating step of level-detecting the receiving signal and then generating a feedback signal as the control signal for the gain variable amplifier (column 3, line 55-column 4, line 5); and a controlling step of deciding a generation timing of the control signal or a generation period of the control signal in response to a predetermined physical quantity (column 5, lines 23-31). Gottfried et al. fail to disclose averaging the detected receiving signal level for a predetermined time. However, Furukawa et al. (figures 4-5) disclose a receiving signal level is averaged for a predetermined time (column 9, lines 13-23, 36-55). Therefore, it would have been obvious for one having ordinary skill in the art at the time the invention was made to adapt the teaching of Furukawa et al. to Gottfried et al. for reducing the measuring error of the received signal level.

Regarding claim 15, Gottfried et al. (figure 1) disclose a computer-readable recording medium for recording the automatic gain control method for the receiver device as a program to be executed by a computer, said method comprising: a control signal generating step of level-detecting the receiving signal and then generating a feedback signal as the control signal for the gain variable amplifier (items 14, 40, and 22) (column 3, line 55- column 4, line 5); and a controlling step of deciding a generation timing of the control signal or a generation period of the control signal in response to a predetermined physical quantity (column 5, lines 23-31). Gottfried et al. fail to disclose

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averaging the detected receiving signal level for a predetermined time. However, Furukawa et al. (figures 4-5) disclose a receiving signal level is averaged for a predetermined time (column 9, lines 13-23, 36-55). Therefore, it would have been obvious for one having ordinary skill in the art at the time the invention was made to adapt the teaching of Furukawa et al. to Gottfried et al. for reducing the measuring error of the received signal level.

Allowable Subject Matter

3. Claims 16 and 17 are allowed over the cited prior art.

Claims 16 and 17 are allowable with the same reasons set forth in the previous Office action (paper #7).

4. Claims 3 and 10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Regarding claims 3 and 10, Gottfried et al. and Furukawa et al. disclose the automatic gain control circuit and method as in claims 1 and 9 above, respectively. However, Gottfried et al. and Furukawa et al. fail to teach or suggest the automatic gain control circuit and method wherein the controlling means decides the generation timing of the control signal or the generation period of the control signal using a lapsed time in operation of the automatic gain control circuit as the predetermined physical quantity.

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Response to Arguments

5. Applicant's arguments with respect to claims 1, 8, 9, and 15 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Willhoff et al. (US 6,049,715) disclose method and apparatus for evaluating a received signal in wireless communication utilizing long and short term values.

7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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8. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9314

Hand-delivered responses should be brought to Crystal Park II, 2021 Crystal Drive, Arlington, VA 22202, Sixth Floor (Receptionist).

Any inquiry concerning this communication from the examiner should be directed to Quochien B. Vuong whose telephone number is (703) 306-4530. The examiner can normally be reached on Monday through Friday from 9:30 a.m. to 6:00 p.m. EST.

If attemps to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban, can be reached on (703) 305-4385.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Customer Service whose telephone number is (703) 306-0377.

QUOCHIEN B. VUONG PRIMARY EXAMINER

Cunthun be always

Quochien B. Vuong June 29, 2004.